Supporting Information

Electronic Level Structure of Silver-Intercalated Cytosine Nanowires

Natalie Fardian-Melamed¹, Liat Katrivas², Gennady Eidelshtein², Dvir Rotem¹, Alexander Kotlyar^{2*}, and Danny Porath^{1*}

¹Institute of Chemistry and Center for Nanoscience and Nanotechnology, The Hebrew University of Jerusalem, Jerusalem 91904, Israel

²Department of Biochemistry and Molecular Biology, George S. Wise Faculty of Life Sciences, and The Center of Nanoscience and Nanotechnology, Tel Aviv University, Ramat Aviv, Tel Aviv 69978, Israel

*email: s2shak@tauex.ac.il; danny.porath@mail.huji.ac.il

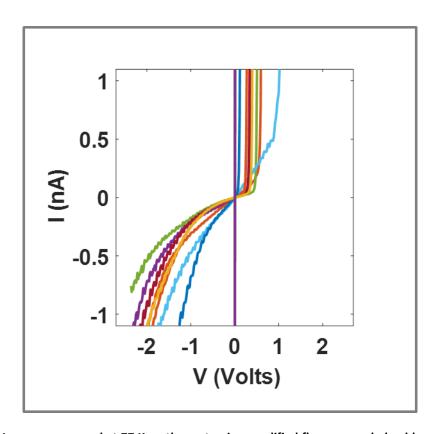


Figure S1: I-V curves measured at 77 K on the cystamine-modified flame annealed gold surrounding the C-Ring molecules.

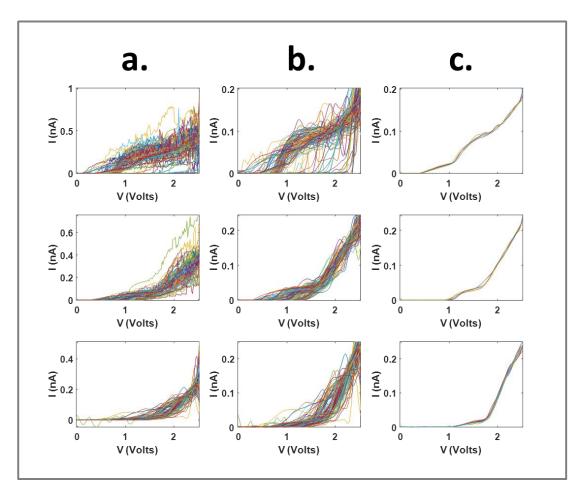


Figure S2: Processing the I-V measurements. a. Three sets of measurement points' I-V curves, measured at 77 K. Each set consists of 100 raw data I-V curves. b. Filtered (Savitzky-Golay) and normalized I-V curves from a.. c. Recurring I-V curves from b.